

**Abstract**

A wireless access control system for an electronic device comprises a personal locking device and an access control software module. The electronic device and personal locking device are Bluetooth-enabled and use Bluetooth to communicate with each other. The access control software is used to establish a Bluetooth link between these devices, based on the unique Bluetooth identifiers of the personal locking device and the electronic device. The personal locking device is preferably portable and is carried by the user at all times. Examples of preferred personal locking devices are cellular telephones, personal digital assistants, and pocket PCs. The Bluetooth radio chip and the Bluetooth communications protocol monitor the quality of service of the Bluetooth link between the devices. When the quality of service falls below a predetermined threshold, the access control software may switch the electronic device from an unlocked state to a locked state. When the quality of service rises above a predetermined threshold from below the threshold, the software may switch the electronic device from a locked state to an unlocked state.